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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/348,575	07/07/1999	CARMELO ZACCONE	Q55017	5420

7590 08/14/2003

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EXAMINER

ABELSON, RONALD B

ART UNIT	PAPER NUMBER
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2666

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DATE MAILED: 08/14/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/348,575

Applicant(s)

ZACCONE ET AL.

Examiner

Ronald Abelson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 27 March 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) 9-15 is/are allowed.
- 6) ☒ Claim(s) 1 and 5 is/are rejected.
- 7) ☐ Claim(s) 2-4 and 6-8 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

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*Specification*

1. The abstract of the disclosure is objected to because all references to claims must be removed. See (pg. 1 lines 5-6, pg. 2 lines 8, 19-20, pg.3 lines 7-8, 25-26). Correction is required. See MPEP § 608.01(b).

*Claim Rejections - 35 USC § 102*

2. Claims 1 and 5 rejected under 35 U.S.C. 102(e) as being anticipated by Saito (US 6,523,696).

Regarding claim 1, Saito teaches a method and apparatus for an Internet forwarding method (fig. 7), for forwarding Internet packets from a host fig. 7 box 205) to an Internet (fig. 7 box 202) towards a destination host (fig. 7 box 206, 207) connected to a private Internet network fig. 7 box 201, 206, 207), where the Internet network and the and the private network are coupled through at least one edge router (fig. 7 box 204), and where the destination host is assigned a global Internet address, characterized in that the forwarding of the Internet packets from one of the at least one edge router toward the destination host, is based only on the global Internet address (col. 19 lines 16-20)

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*Allowable Subject Matter*

3. Claims 9-15 are allowed.

4. Claims 2-4, and 6-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is a statement of reasons for the indication of allowable subject matter.

Regarding claim 2, 6, and 9 nothing in the prior art of record teaches or fairly suggests a router daemon in combination with the other limitations of the claim.

Regarding claims 3, 7, 10-12 nothing in the prior art of record teaches or fairly suggests notifying each router by sending a protocol message at assignment of a global Internet address in combination with the other limitations of the claims. Although Sosa (An OSPF-Based Routing Algorithm for SMDS Networks) teaches link state advertisements (LSA's) for updating routers in an OSPF environment, nothing in the prior art of record suggests the message is sent at assignment of a global Internet address.

Regarding claims 4 and 8, nothing in the prior art of record teaches or fairly suggests the edge router setting up the

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multicast groups in combination with the other limitations of the claims.

Regarding claim 13, nothing in the prior art of the record teaches or fairly suggests at least one edge router sets up a multicast group and the destination host generates a multicast join message, such that a multicast group is joined when the multicast join message is received by the at least one edge router, in combination with the other limitations listed in the claim.

Regarding claims 14 and 15, nothing in the prior art of the record teaches or fairly suggests a multicast group updating means, coupled with an input to an output of the message receptions means and adapted to interpret the multicast message containing the global Internet address of the destination host and update a multicast group in order to establish a branch of a multicast tree, wherein at least one edge router sets up the multicast group, in combination with the other limitations listed in the claim.

#### ***Response to Arguments***

6. Applicant's arguments with respect to claims 1 and 5 have been considered but are moot in view of the new ground(s) of rejection. The examiner agrees with the applicant's contention

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that not all the limitations were met in the claims. Therefore, an updated search was performed.

**Conclusion**

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronald Abelson whose telephone number is (703) 306-5622. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (703) 308-5463. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-9600.

*RA*  
Ronald Abelson  
Examiner  
Art Unit 2666

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August 8, 2003

*DW*  
DANG TON  
PRIMARY EXAMINER